BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Package-1, includes 3 works of Rs.200.00 lakhs 1) Improvements to Road and Drain at Sadiq Layout (Defence Layout) in Ward No. 06 Byatarayanapura Sub Division. 2) Improvements to Roads and Drains at Manjunathnagara in Ward No. 06 Byatarayanapura Sub Division. 3) Improvements of Drains and RCC Culverts at Hegadenagar 9th Cross to 13th Cross in Ward no 06 Byatarayanapura Sub Division.

PROJECT NAME: Improvements to Roads and Drains at Manjunathnagara in Ward No. 06 Byatarayanapura Sub Division.

Agency: Sri. M. Venkatesh Chikkanahalli Vijayapura Bangalore Rural 562135

Measurements Taken On : 31-01-2019

MEASUREMENT SHEET - 2nd and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Bread (m)	Depth (m)	Quantity	Remarks
Item no.01		**Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and as per specifications and as per the direction of Engineer in charge of the work.**							
		New Drain							
		Defence layout							
		1st Cross Road							
		LHS							
0	30		Cum	1	30.00	1.00	0.50	15.00	
30	68.7		Cum	1	38.70	1.00	0.50	19.35	
71.2	101.2		Cum	1	30.00	1.00	0.50	15.00	
101.2	131.2		Cum	1	30.00	1.00	0.50	15.00	
131.2	161.2		Cum	1	30.00	1.00	0.50	15.00	
161.2	195.3		Cum	1	34.10	1.00	0.50	17.05	
		RHS							
0	30		Cum	1	30.00	1.00	0.50	15.00	
30	68.7		Cum	1	38.70	1.00	0.50	19.35	
71.2	101.2		Cum	1	30.00	1.00	0.50	15.00	
101.2	131.2		Cum	1	30.00	1.00	0.50	15.00	
131.2	161.2		Cum	1	30.00	1.00	0.50	15.00	
161.2	195.3		Cum	1	34.10	1.00	0.50	17.05	
		2nd Cross Road							
		LHS							
0	30		Cum	1	30.00	1.00	0.50	15.00	
30	62		Cum	1	32.00	1.00	0.50	16.00	

Contactor PMC Assistant Engineer Assistant Executive Engineer

		RHS							
0	30		Cum	1	30.00	1.00	0.50	15.00	
30	55.5		Cum	1	25.50	1.00	0.50	12.75	
		3rd Cross Road							
		LHS							
0	30		Cum	1	30.00	0.90	0.50	13.50	
30	54.9		Cum	1	24.90	0.90	0.50	11.21	
		4th Cross Road							
		RHS							
0	30		Cum	1	30.00	0.90	0.50	13.50	
30	66.6		Cum	1	36.60	0.90	0.50	16.47	
							Total	**306.23**	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.02		**Providing granite slabs of selected quality roughly dressed having a size of 7.5cms thick and fixed in cement mortar (1:2) includling fixing curing etc and as per specifications and as per the direction of Engineer in charge of the work.**							
		New Drain							
		Defence layout							
		1st Cross Road							
		LHS							
0	30		Sqm	1	30.00	1.35		40.50	
30	68.7		Sqm	1	38.70	1.35		52.25	
71.2	101.2		Sqm	1	30.00	1.35		40.50	
101.2	131.2		Sqm	1	30.00	1.35		40.50	
131.2	161.2		Sqm	1	30.00	1.35		40.50	
161.2	195.3		Sqm	1	34.10	1.35		46.04	
		RHS							
0	30		Sqm	1	30.00	1.35		40.50	
30	68.7		Sqm	1	38.70	1.35		52.25	
71.2	101.2		Sqm	1	30.00	1.35		40.50	
101.2	131.2		Sqm	1	30.00	1.35		40.50	
131.2	161.2		Sqm	1	30.00	1.35		40.50	
161.2	195.3		Sqm	1	34.10	1.35		46.04	
		2nd Cross Road							
		LHS							
0	30		Sqm	1	30.00	1.35		40.50	
30	62		Sqm	1	32.00	1.35		43.20	
		RHS							
0	30		Sqm	1	30.00	1.35		40.50	
30	55.5		Sqm	1	25.50	1.35		34.43	
		3rd Cross Road							
		LHS							
0	30		Sqm	1	30.00	1.35		40.50	
30	54.9		Sqm	1	24.90	1.35		33.62	
		4th Cross Road							
		RHS							
0	30		Sqm	1	30.00	1.35		40.50	
30	66.6		Sqm	1	36.60	1.35		49.41	
							Total	**843.21**	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC

ಸಹಾಯಕ ಅಭಿಯಂತರರು Assistant Engineer ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು Assistant Executive Engineer

Item no.04		**Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the direction of Engineer in charge of the work.**							
		Manjunatha Nagar							
		Cross Road in 5th cross							
		Cross Road							
0	30		Cum	1	30.00	4.40	0.15	19.80	
30	60		Cum	1	30.00	4.75	0.15	21.38	
60	74.7		Cum	1	14.70	4.70	0.15	10.36	
		Cross Road							
0	33		Cum	1	33.00	4.30	0.15	21.29	
		Cross Road							
0	16.5		Cum	1	16.50	4.30	0.15	10.64	
							Total	**83.47**	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.05		**Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. and as per the direction of Engineer in charge of the work.**							
		Manjunatha Nagar							
		Cross Road in 5th cross							
		Cross Road							
0	30		Cum	1	30.00	4.40	0.15	19.80	
30	60		Cum	1	30.00	4.75	0.15	21.38	
60	74.7		Cum	1	14.70	4.70	0.15	10.36	
		Cross Road							
0	33		Cum	1	33.00	4.30	0.15	21.29	
		Cross Road							
0	33		Cum	1	33.00	4.30	0.15	21.29	
							Total	**94.11**	

R.K. PRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.06		**Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. and as per the direction of Engineer in charge of the work.**							
		Road							
		Manjunatha Nagar							
		Cross Road in 5th cross							
		Cross Road							
0	30		Sqm	1	30.00	4.40		132.00	
30	60		Sqm	1	30.00	4.75		142.50	
60	74.7		Sqm	1	14.70	4.70		69.09	
		Cross Road							
0	33		Sqm	1	33.00	4.30		141.90	
		Cross Road							
0	33		Sqm	1	33.00	4.30		141.90	
							Total	**627.39**	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.13		**Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification and as per the direction of Engineer in charge of the work.**							
		Defence layout							
		1st Cross Road							
0	15		Cum	1	15.00	6.60	0.20	19.80	
15	30		Cum	1	15.00	7.00	0.20	21.00	
30	45		Cum	1	15.00	7.05	0.20	21.15	
45	60		Cum	1	15.00	7.10	0.20	21.30	
60	75		Cum	1	15.00	7.65	0.20	22.95	
75	90		Cum	1	15.00	7.60	0.20	22.80	
90	105		Cum	1	15.00	7.05	0.20	21.15	
105	120		Cum	1	15.00	7.15	0.20	21.45	
120	135		Cum	1	15.00	7.20	0.20	21.60	
135	150		Cum	1	15.00	7.20	0.20	21.60	
150	165		Cum	1	15.00	7.60	0.20	22.80	
165	180		Cum	1	15.00	8.10	0.20	24.30	
180	195		Cum	1	15.00	8.20	0.20	24.60	
		2nd Cross Road							
0	15		Cum	1	15.00	6.60	0.20	19.80	
15	30		Cum	1	15.00	7.70	0.20	23.10	
30	45		Cum	1	15.00	7.60	0.20	22.80	
45	60		Cum	1	15.00	7.45	0.20	22.35	
		3rd Cross Road							
0	15		Cum	1	15.00	5.30	0.20	15.90	
15	30		Cum	1	15.00	5.45	0.20	16.35	
30	45		Cum	1	15.00	5.80	0.20	17.40	
45	54.5		Cum	1	9.50	5.20	0.20	9.88	
		4th Cross Road							
0	15		Cum	1	15.00	7.20	0.20	21.60	
15	30		Cum	1	15.00	7.25	0.20	21.75	
30	45		Cum	1	15.00	7.35	0.20	22.05	
45	66.1		Cum	1	21.10	7.00	0.20	29.54	
							Total	**529.02**	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.03		Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		Sadiq Layout							
		unnamed Road							
		Left side							
0	15		Cum	1	15.00	1.00	0.23	3.45	
15	30		Cum	1	15.00	1.00	0.23	3.45	
30	45		Cum	1	15.00	1.00	0.23	3.45	
45	60		Cum	1	15.00	0.90	0.23	3.11	
60	75		Cum	1	15.00	0.90	0.23	3.11	
75	90		Cum	1	15.00	0.95	0.23	3.28	
90	105		Cum	1	15.00	1.00	0.23	3.45	
105	120		Cum	1	15.00	1.00	0.23	3.45	
120	135		Cum	1	15.00	0.95	0.23	3.28	
135	150		Cum	1	15.00	1.00	0.23	3.45	
150	165		Cum	1	15.00	1.00	0.23	3.45	
165	180		Cum	1	15.00	0.90	0.23	3.11	
180	195		Cum	1	15.00	1.00	0.23	3.45	
195	210		Cum	1	15.00	1.00	0.23	3.45	
210	225		Cum	1	15.00	1.00	0.23	3.45	
225	240		Cum	1	15.00	1.00	0.23	3.45	
240	252		Cum	1	12.00	0.60	0.23	1.66	
		Right side							
0	15		Cum	1	15.00	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.00	0.23	3.45	
30	45		Cum	1	15.00	1.00	0.23	3.45	
45	60		Cum	1	15.00	1.00	0.23	3.45	
60	75		Cum	1	15.00	1.10	0.23	3.80	
75	90		Cum	1	15.00	1.05	0.23	3.62	
90	105		Cum	1	15.00	1.00	0.23	3.45	
105	120		Cum	1	15.00	1.00	0.23	3.45	
120	135		Cum	1	15.00	1.10	0.23	3.80	
135	150		Cum	1	15.00	1.00	0.23	3.45	
150	165		Cum	1	15.00	1.00	0.23	3.45	
165	180		Cum	1	15.00	0.90	0.23	3.11	
180	195		Cum	1	15.00	1.00	0.23	3.45	
195	210		Cum	1	15.00	1.00	0.23	3.45	
210	225		Cum	1	15.00	1.00	0.23	3.45	
							Total	108.09	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.07		**Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. and as per the directions of the Engineer-in-charge of the work .**							
		Defence layout							
		1st Cross Road							
0	15		Cum	1	15.00	6.60	0.23	22.77	
15	30		Cum	1	15.00	7.00	0.23	24.15	
30	45		Cum	1	15.00	7.05	0.23	24.32	
45	60		Cum	1	15.00	7.10	0.23	24.50	
60	75		Cum	1	15.00	7.65	0.23	26.39	
75	90		Cum	1	15.00	7.60	0.23	26.22	
90	105		Cum	1	15.00	7.05	0.23	24.32	
105	120		Cum	1	15.00	7.15	0.23	24.67	
120	135		Cum	1	15.00	7.20	0.23	24.84	
135	150		Cum	1	15.00	7.20	0.23	24.84	
150	165		Cum	1	15.00	7.60	0.23	26.22	
165	180		Cum	1	15.00	8.10	0.23	27.95	
180	195.3		Cum	1	15.30	8.20	0.23	28.86	
		2nd Cross Road							
0	15		Cum	1	15.00	6.60	0.23	22.77	
15	30		Cum	1	15.00	7.70	0.23	26.57	
30	45		Cum	1	15.00	7.60	0.23	26.22	
45	60		Cum	1	15.00	7.45	0.23	25.70	
		3rd Cross Road							
0	15		Cum	1	15.00	5.30	0.23	18.29	
15	30		Cum	1	15.00	5.45	0.23	18.80	
30	45		Cum	1	15.00	5.80	0.23	20.01	
45	54.9		Cum	1	9.90	5.20	0.23	11.84	
		4th Cross Road							
0	15		Cum	1	15.00	7.20	0.23	24.84	
15	30		Cum	1	15.00	7.25	0.23	25.01	
30	45		Cum	1	15.00	7.35	0.23	25.36	
45	66.6		Cum	1	21.60	7.00	0.23	34.78	
		Sadiq Layout							
		unnamed Road							
		Left side							
0	15		Cum	1	15.00	1.00	0.23	3.45	
15	30		Cum	1	15.00	1.00	0.23	3.45	

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

30	45		Cum	1	15.00	1.00	0.23	3.45	
45	60		Cum	1	15.00	0.90	0.23	3.11	
60	75		Cum	1	15.00	0.90	0.23	3.11	
75	90		Cum	1	15.00	0.95	0.23	3.28	
90	105		Cum	1	15.00	1.00	0.23	3.45	
105	120		Cum	1	15.00	1.00	0.23	3.45	
120	135		Cum	1	15.00	0.95	0.23	3.28	
135	150		Cum	1	15.00	1.00	0.23	3.45	
150	165		Cum	1	15.00	1.00	0.23	3.45	
165	180		Cum	1	15.00	0.90	0.23	3.11	
180	195		Cum	1	15.00	1.00	0.23	3.45	
195	210		Cum	1	15.00	1.00	0.23	3.45	
210	225		Cum	1	15.00	1.00	0.23	3.45	
225	240		Cum	1	15.00	1.00	0.23	3.45	
240	252		Cum	1	12.00	0.60	0.23	1.66	
		Right side							
0	15		Cum	1	15.00	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.00	0.23	3.45	
30	45		Cum	1	15.00	1.00	0.23	3.45	
45	60		Cum	1	15.00	1.00	0.23	3.45	
60	75		Cum	1	15.00	1.10	0.23	3.80	
75	90		Cum	1	15.00	1.05	0.23	3.62	
90	105		Cum	1	15.00	1.00	0.23	3.45	
105	120		Cum	1	15.00	1.00	0.23	3.45	
120	135		Cum	1	15.00	1.10	0.23	3.80	
135	150		Cum	1	15.00	1.00	0.23	3.45	
150	165		Cum	1	15.00	1.00	0.23	3.45	
165	180		Cum	1	15.00	0.90	0.23	3.11	
180	195		Cum	1	15.00	1.00	0.23	3.45	
195	210		Cum	1	15.00	1.00	0.23	3.45	
210	225		Cum	1	15.00	1.00	0.23	3.45	
							Total	**718.31**	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.09		Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
		Sadiq Layout							
		unnamed Road							
0	15		Sqm	1	15.00	5.75		86.25	
15	30		Sqm	1	15.00	5.65		84.75	
30	45		Sqm	1	15.00	5.60		84.00	
45	60		Sqm	1	15.00	5.60		84.00	
60	75		Sqm	1	15.00	5.55		83.25	
75	90		Sqm	1	15.00	5.55		83.25	
90	105		Sqm	1	15.00	5.20		78.00	
105	120		Sqm	1	15.00	4.80		72.00	
120	135		Sqm	1	15.00	4.65		69.75	
135	150		Sqm	1	15.00	4.85		72.75	
150	165		Sqm	1	15.00	4.95		74.25	
165	180		Sqm	1	15.00	4.50		67.50	
180	195		Sqm	1	15.00	4.35		65.25	
195	210		Sqm	1	15.00	4.30		64.50	
210	225		Sqm	1	15.00	4.05		60.75	
225	240		Sqm	1	15.00	3.55		53.25	
240	252		Sqm	1	12.00	3.25		39.00	
							Total	1222.50	

HUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.10		Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer in charge of the work.							
		Defence layout							
		1st Cross Road							
0	15		Sqm	1	15.00	6.60		99.00	
15	30		Sqm	1	15.00	7.00		105.00	
30	45		Sqm	1	15.00	7.05		105.75	
45	60		Sqm	1	15.00	7.10		106.50	
60	75		Sqm	1	15.00	7.65		114.75	
75	90		Sqm	1	15.00	7.60		114.00	
90	105		Sqm	1	15.00	7.05		105.75	
105	120		Sqm	1	15.00	7.15		107.25	
120	135		Sqm	1	15.00	7.20		108.00	
135	150		Sqm	1	15.00	7.20		108.00	
150	165		Sqm	1	15.00	7.60		114.00	
165	180		Sqm	1	15.00	8.10		121.50	
180	195.3		Sqm	1	15.30	8.20		125.46	
		2nd Cross Road							
0	15		Sqm	1	15.00	6.60		99.00	
15	30		Sqm	1	15.00	7.70		115.50	
30	45		Sqm	1	15.00	7.60		114.00	
45	60		Sqm	1	15.00	7.45		111.75	
		3rd Cross Road	Sqm						
0	15		Sqm	1	15.00	5.30		79.50	
15	30		Sqm	1	15.00	5.45		81.75	
30	45		Sqm	1	15.00	5.80		87.00	
45	54.9		Sqm	1	9.90	5.20		51.48	
		4th Cross Road							
0	15		Sqm	1	15.00	7.20		108.00	
15	30		Sqm	1	15.00	7.25		108.75	
30	45		Sqm	1	15.00	7.35		110.25	
45	66.6		Sqm	1	21.60	7.00		151.20	
		Sadiq Layout							
		unnamed Road							
0	15		Sqm	1	15.00	5.75		86.25	
15	30		Sqm	1	15.00	5.65		84.75	
30	45		Sqm	1	15.00	5.60		84.00	
45	60		Sqm	1	15.00	5.60		84.00	
60	75		Sqm	1	15.00	5.55		83.25	

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75	90		Sqm	1	15.00	5.55		83.25	
90	105		Sqm	1	15.00	5.20		78.00	
105	120		Sqm	1	15.00	4.80		72.00	
120	135		Sqm	1	15.00	4.65		69.75	
135	150		Sqm	1	15.00	4.85		72.75	
150	165		Sqm	1	15.00	4.95		74.25	
165	180		Sqm	1	15.00	4.50		67.50	
180	195		Sqm	1	15.00	4.35		65.25	
195	210		Sqm	1	15.00	4.30		64.50	
210	225		Sqm	1	15.00	4.05		60.75	
225	240		Sqm	1	15.00	3.55		53.25	
240	252		Sqm	1	12.00	3.25		39.00	
							Total	**3875.64**	

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Item no.11		**Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 6% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification and as per the**							
		Defence layout							
		1st Cross Road							
0	15		Cum	1	15.00	6.60	0.04	3.96	
15	30		Cum	1	15.00	7.00	0.04	4.20	
30	45		Cum	1	15.00	7.05	0.04	4.23	
45	60		Cum	1	15.00	7.10	0.04	4.26	
60	75		Cum	1	15.00	7.65	0.04	4.59	
75	90		Cum	1	15.00	7.60	0.04	4.56	
90	105		Cum	1	15.00	7.05	0.04	4.23	
105	120		Cum	1	15.00	7.15	0.04	4.29	
120	135		Cum	1	15.00	7.20	0.04	4.32	
135	150		Cum	1	15.00	7.20	0.04	4.32	
150	165		Cum	1	15.00	7.60	0.04	4.56	
165	180		Cum	1	15.00	8.10	0.04	4.86	
180	195.3		Cum	1	15.30	8.20	0.04	5.02	
		2nd Cross Road							
0	15		Cum	1	15.00	6.60	0.04	3.96	
15	30		Cum	1	15.00	7.70	0.04	4.62	
30	45		Cum	1	15.00	7.60	0.04	4.56	
45	60		Cum	1	15.00	7.45	0.04	4.47	
		3rd Cross Road							
0	15		Cum	1	15.00	5.30	0.04	3.18	
15	30		Cum	1	15.00	5.45	0.04	3.27	
30	45		Cum	1	15.00	5.80	0.04	3.48	
45	54.9		Cum	1	9.90	5.20	0.04	2.06	
		4th Cross Road							
0	15		Cum	1	15.00	7.20	0.04	4.32	
15	30		Cum	1	15.00	7.25	0.04	4.35	
30	45		Cum	1	15.00	7.35	0.04	4.41	
45	66.6		Cum	1	21.60	7.00	0.04	6.05	
		Sadiq Layout							
		unnamed Road							
0	15		Cum	1	15.00	5.75	0.04	3.45	
15	30		Cum	1	15.00	5.65	0.04	3.39	
30	45		Cum	1	15.00	5.60	0.04	3.36	
45	60		Cum	1	15.00	5.60	0.04	3.36	

Contactor

RUDR CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

0	75		Cum	1	15.00	5.55	0.04	3.33	
75	90		Cum	1	15.00	5.55	0.04	3.33	
90	105		Cum	1	15.00	5.20	0.04	3.12	
105	120		Cum	1	15.00	4.80	0.04	2.88	
120	135		Cum	1	15.00	4.65	0.04	2.79	
135	150		Cum	1	15.00	4.85	0.04	2.91	
150	165		Cum	1	15.00	4.95	0.04	2.97	
165	180		Cum	1	15.00	4.50	0.04	2.70	
180	195		Cum	1	15.00	4.35	0.04	2.61	
195	210		Cum	1	15.00	4.30	0.04	2.58	
210	225		Cum	1	15.00	4.05	0.04	2.43	
225	240		Cum	1	15.00	3.55	0.04	2.13	
240	252		Cum	1	12.00	3.25	0.04	1.56	
							Total	**155.03**	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Item no.12		**Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the directions of the Engineer-in-charge of the work .**							
		Defence layout							
		1st Cross Road							
0	195.3		Sqm	2	195.30	0.10		39.06	
		2nd Cross Road							
0	60		Sqm	2	60.00	0.10		12.00	
		3rd Cross Road	Sqm						
0	54.9		Sqm	2	54.90	0.10		10.98	
		4th Cross Road							
0	66.6		Sqm	2	66.60	0.10		13.32	
		Sadiq Layout							
		unnamed Road							
0	252		Sqm	2	252.00	0.10		50.40	
							Total	**125.76**	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer